

FILE COPY

Shaughnessy No. 059101

FEB 18 1983

Date due out of EFB 3/10/83

TO: Jay S. Ellenberger
Product Manager #12
Registration Division (TS-767)

From: Joe C. Reinert, Chief
Exposure Assessment Section
Environmental Fate Branch (TS-769)

Attached please find the EFB fate review of...

Reg./File No.: 464-562

Chemical: Chlorpyrifos

Type Product: Insecticide

Product Name: Dursban TC

Company Name: Dow

Submission Purpose: Add plenum houses to label

ZBB Code: Other

311

Date in: 1/31/83

EFB#

179

Date Completed: 2/17/83

TAIS (level II)

Days

2

Deferrals To:

 Ecological Effects Branch

 Residue Chemistry Branch

 Toxicology Branch

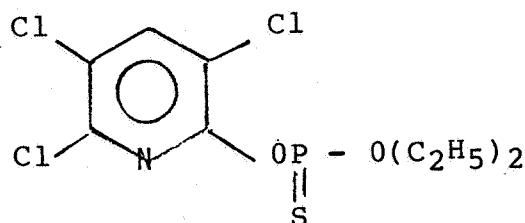
1.0 INTRODUCTION

Chemical Name and Type Pesticide:

Chlorpyrifos, 0 ,0-Diethyl 0-3,5,6,-trichloro-2-pyridyl phosphorothioate insecticide.

Trade Name: Dursban TC

Chemical Structure:



Reg. File Number: 464-562

Dow Chemical has submitted a summary of their Report No. HEH3, 4-5-27 (4), Industrial Hygiene Laboratory, Midland, MI to support additional use of chlorpyrifos as a termiticide in plenum houses.

2.0 DISCUSSION OF DATA

Reduced data, i.e., concentration in mg/m^3 air, are presented for air monitoring in crawl spaces of four houses during application of chlorpyrifos and for 2 rooms of the treated houses at periods up to 69 hours after application. Wipe samples were also taken in various areas of the houses. However, these data cannot be evaluated because no data validating the air sampling technique and chromatographic analyses were given. Collection time for each air monitor sample, percent recovery of chlorpyrifos obtainable with the sample cartridges (both adsorption and desorption) and chromatographic standard and sample analytical curves are required.

3.0 RECOMMENDATION

Dow Chemical supply us legible analytical data required to evaluate the air monitoring studies in the summary report submitted. Important information in the current document is illegible.

Geraldine Fristrom

Geraldine Fristrom, Ph.D.
Exposure Assessment Section 4
Environmental Fate Branch
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2